Relational Databases with MySQL Week 4 Coding Assignment

**Points possible:** 70

|  |  |  |
| --- | --- | --- |
| Category | Criteria | % of Grade |
| Functionality | Does the code work? | 25 |
| Organization | Is the code clean and organized? Proper use of white space, syntax, and consistency are utilized. Names and comments are concise and clear. | 25 |
| Creativity | Student solved the problems presented in the assignment using creativity and out of the box thinking. | 25 |
| Completeness | All requirements of the assignment are complete. | 25 |

**Instructions:** Using a text editor of your choice, write the queries that accomplishes the objectives listed below. Take screenshots of the queries and results and paste them in this document where instructed below. Create a new repository on GitHub for this week’s assignments and push this document, with your Java project code, to the repository. Add the URL for this week’s repository to this document where instructed and submit this document to your instructor when complete.

**Coding Steps:**

Write 5 stored procedures for the employees database.

Write a description of what each stored procedure does and how to use it.

Procedures should use constructs you learned about from your research assignment and be more than just queries.

**#1**

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Description automatically generated**

**This stored procedure will check for all employees that were hired prior to the year 2010. This could be used to check if an employee was working when there was a change in policies or in their job protections that could make them grandfathered in, and not be held to the new changes because they were hired prior to the year the changes were made.**

**#2**

**A picture containing flower

Description automatically generated**

**This stored procedure will run a query on all employees with a specific title. This could be used if a company wants to see how many employees are working in specific titles and compare the list with hire dates to see who has the most seniority. Also, if the company needs to RIF they could run this procedure on all titles to see if they have an overabundance of a certain title and could possible RIF from that title to have less of an impact on operations.**

**#3**

**A screenshot of a cell phone

Description automatically generated**

**This stored procedure takes in an employee number and checks their salary to see if it is above or below the company average. This could be useful when checking to see if employees are receiving proper raises with the amount of time that they have on and could also be used to make sure that senior employees are where they should be at pay wise.**

**#4**

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Description automatically generated**

**This stored procedure takes an employee number in and returns the hourly rate of the employee. This could be useful when determining pay scales and averages.**

**#5**

**A screenshot of a cell phone

Description automatically generated**

**This stored procedure takes an employee number in and returns a “yes” or “no” if the employee is available to collect social security or Medicare. This could be used when employers would like to prepare for when employees could leave the company and be ready to hire new ones.**

**Screenshots:**

**#1**

**A picture containing table

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**A close up of text on a white background

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**#2**

**A close up of a logo

Description automatically generated**

**A close up of text on a white background

Description automatically generated**

**#3**

**A close up of a logo

Description automatically generated**

**A screenshot of a cell phone

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**#4**

**A close up of a logo

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**#5**

**A close up of a logo

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**URL to GitHub Repository:**